



UAM Institutional Repository: Use by scientists from the most important University field of research

María Luisa Pérez Aliende

Universidad Autónoma de Madrid. Servicio de Biblioteca



Overview

The Autonomous University of Madrid (UAM) is one of the top universities in Spain. Founded in 1968, the main campus was located in Cantoblanco, a rural area in the north of the capital. Nowadays, with about 28.000 students, more than 2.500 professors and researchers it offers a comprehensive range of studies. The University is divided into eight faculties (Philosophy and Liberal Arts, Law, Economical Science, Medicine, Sciences, Psychology, Education and the Polytechnic School), and 67 departments. In addition, it has several associate schools consisting mainly of Nursing and Physiotherapy studies. UAM is also proud of its research commitment, reinforced by its six university hospitals, five institutes jointly run with the Spain's National Research Council and two Madrid's Advance Institutes that UAM hosts.

The UAM has become one of the most important higher education institutions in Spain. The Faculty of Law is considered one of the most prestigious in the country. According to the Academic Ranking of World Universities (ARWU, 2012) by subject fields, in Mathematics it was ranked within top 51-75 universities in the world, in looking at the I-UGR Ranking (Spanish Universities, public and private, Ranking by broad fields and scientific subjects based on the research results published in international journals with higher impact rates and visibility (3rd ed. (2012)), for the 2007-2011 period, UAM held the second and best position by broad fields in Biological Sciences, and the third position in Medicine and Physics. In the most recent edition, published on 23rd May 2013 (4th edition, for the period 2008-2012), things have changed slightly: UAM is the best research institution in Physics, the third in Biological Sciences and the fifth in Medicine.

UAM was considered the second best university in the country for Biochemistry, Cell & Molecular Biology for the period 2007- 2011, and has placed in third position (out of 58) for the 2008-2012 period (These data are also obtained from the Incites by Thomson Reuters, Subject Area Ranking for Biochemistry & Molecular Biology, being the subject with more documents Web of Science generated and most cited (103.647 citations), followed by Cell Biology (53.342 citations)).

The Institutional Repository

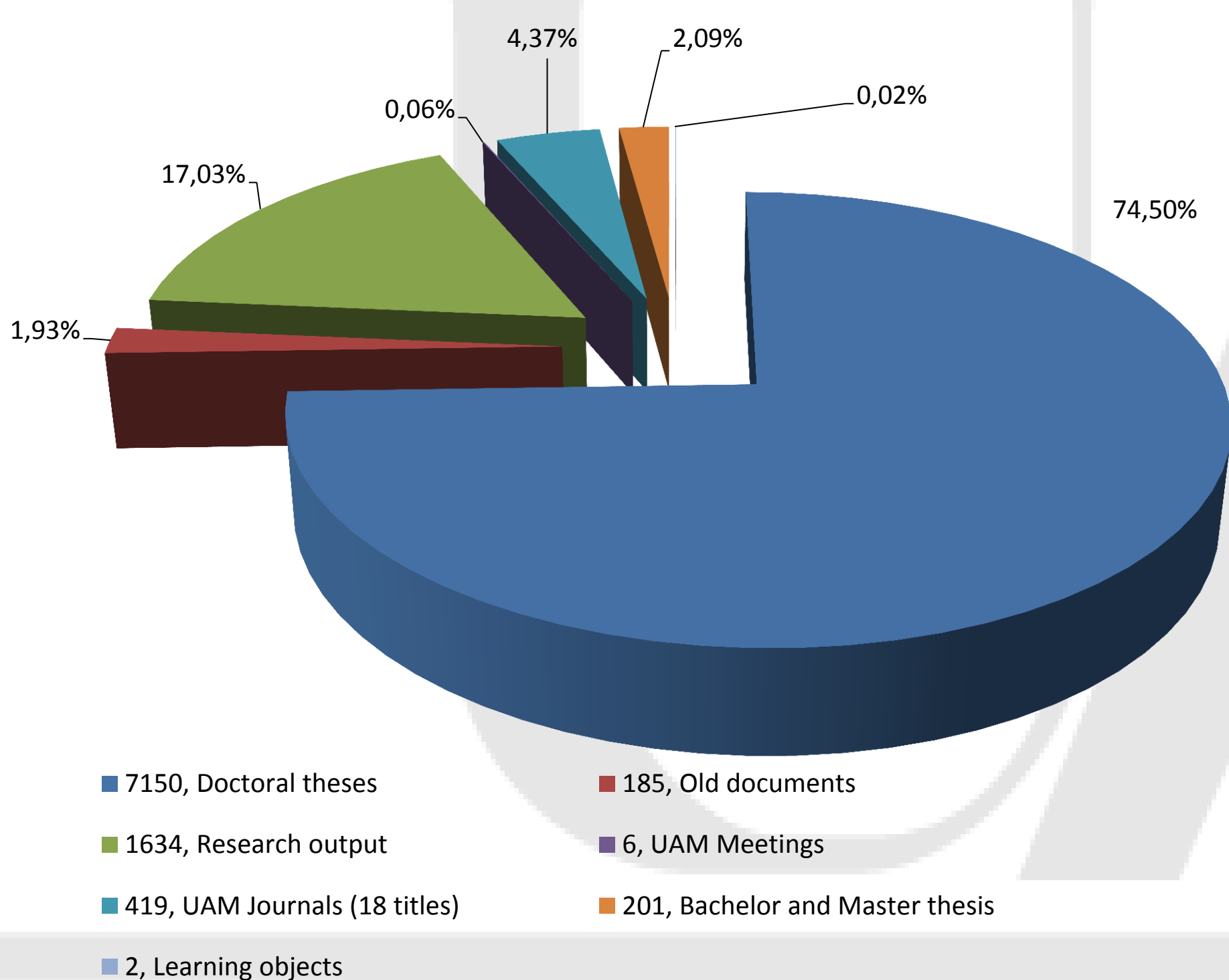
'Biblos-e Archivo' is the name of the Institutional Repository (<http://digitool-uam.greendata.es>) developed by the UAM in accordance with OAI-PMH standards. Since 2006, it has provided a platform to collect scientific work, whether published or not, done by the researchers from this University in order to promote the University researchers' impact and highlight the research carried out. Biblos-e Archivo contains scientific journals, conference proceedings both published by UAM, theses (open and closed access), as well as articles, books, book chapters, conference papers and technical reports. Additionally it holds a small collection of old books. Due to technical and administrative problems until October 2008 only theses were loaded, but since then most of the problems have been solved and the project has been re-launched.

Objective

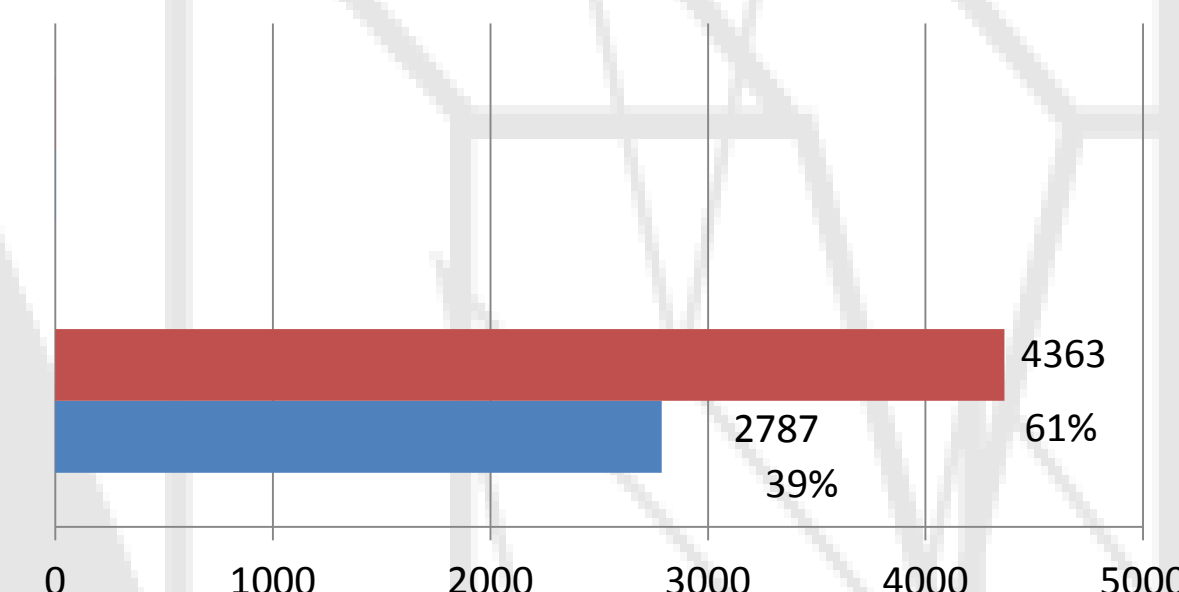
Two departments from this University, the Biochemistry and Molecular Biology departments, produce most of the research papers on "Biochemistry, Cell & Molecular Biology", so the aim of this study is to describe the researchers' (from these departments) open access activity from connecting to the University IR.

Collection Distribution (as of 31 May 2013)

There is a project to ingest all the theses read at the University (around 12000); most of them (4363) are closed access, and 2787 are open access. A University mandate went into effect in February 2012 that allows the uploading of all theses approved since that date.



Total number of theses:



There are 1319 Science theses ingested in the repository, which equals 18,45% of the total, but these are mostly are open access due to the fact that Science theses (around 4500) are the only type not archived in Biblos-e Archivo without the authors permission (closed access is controlled by IP).

It has been much easier to get permission from Science and Technology researchers rather than Social Science and Humanities.

		Open access		Closed access		% Sci. Theses	% Total theses
Science theses	1319						18,45%
Biochemistry Department	17	7	41%	10	59%	17	0,24%
Molecular Biology Department	437	401	92%	36	8%	437	6,11%

Collection Name	Number of Digital Objects
Departamento de Prehistoria y Arqueología	238
Departamento de Filosofía	207
Departamento de Historia y Teoría del Arte	179
Departamento de Didáctica y Teoría de la Educación	107
Departamento de Derecho Público y Filosofía Jurídica	94
Departamento de Historia Moderna	94
Departamento de Derecho Privado, Social y Económico	89
Departamento de Ecología	80
Departamento de Análisis Económico: Teoría Económica e Historia Económica	60
Departamento de Educación Física, Deporte y Motricidad Humana	51
Departamento de Historia Antigua, Historia Medieval, Paleografía y Diplomática	50
Departamento de Química	49
Departamento de Biología Molecular	43

Some Metrics

Use:

A. Molecular Biology dept. theses

The total number of deliveries has increased in 2013 (through May) when compared to 2012. Since the beginning of January, the number of deliveries has increased monthly, from 1587 in January to 2205 in May, with 4% of all deliveries occurring in this most recent month.

Molecular Biology Department								
	Total (2012+2013)	2012	2013	2013				
				January	February	March	April	May
Dept. delivery	18356	9243	9113	1587	1703	1753	1865	2205
Total delivery	653527	370172	283355	56817	57599	56447	56428	56064
%	2,81	2,50	3,22	2,79	2,96	3,11	3,31	3,93

B. Molecular Biology dept. articles

We only have data for May 2013. The articles started to be uploaded the first week of May, and there have been 125 deliveries, which equals 0,22% of the total.

	Nº
Dept. delivery	125
Total delivery May 2013	56064
Delivery/month	0,22%

C. Biochemistry dept. theses

Data is much worse for this department, and at this time of the year, 2013 data is quite similar to 2012.

Biochemistry Department								
	Total (2012+2013)	2012	2013	2013				
				January	February	March	April	May
Dept. delivery	100	68	32	7	7	8	7	3
Total delivery	936882	370172	283355	56817	57599	56447	56428	56064
%	0,01	0,02	0,01	0,01	0,01	0,01	0,01	0,01

Trying to get an explanation of this low data percentage, a survey has been sent to the 68 researchers from the Molecular Biology Department, resulting in 9 answers (13,24%):

- Have you ever heard about the Open Access policy?
89% know something about it.
- Have you ever used a subject repository?
89% answered yes
- Which one?
77% PubMed
11% Digital Csic
11% None
- Have you ever heard about Biblos-e Archivo, the UAM institutional repository?
44% Yes
56% No
- Would you use Biblos-e Archivo to ingest your papers even when there has not been a mandate from the funding agency?
88% Yes
12% Perhaps
- What benefits do you hope to receive from using the Biblos-e Archivo?
 - Don't know
 - To become a complete database providing Access to other university researchers publications
 - To get as many publications as possible, especially if they are not open access or free on the internet
 - Information about access and performance
 - To have access to other colleagues from University publications
 - To have access to papers which now are available on paid option
 - To increase the papers' visibility
 - Global access to research funded by public institutions.
 - Quick access to research results

Conclusions

- The Library must increase the number of advertisement campaigns about the repository.
- The Library must help researchers with their papers providing help about copyright and self-archiving matters.
- The documents generated by the Molecular Biology department are among the most delivered and are of interest for the public in general.



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